In the Claims:

1. (Currently Amended) A method for determining a characteristic of blood ~~a biological object~~, comprising:

detecting a ~~pattern~~ blood vessel of an eye ~~on the biological object~~;

emitting radiation onto the detected blood vessel ~~pattern~~;

collecting at least a portion of radiation that is reflected by the blood vessel ~~pattern~~ of the eye ~~on the biological object~~; ~~and~~

analyzing the collected radiation to determine a characteristic of the blood ~~biological object~~; and

displaying the determined characteristic.

2. (Original) The method of claim 1, wherein the characteristic includes blood glucose levels.

3. (Canceled).

4. (Canceled).

5. (Currently Amended) The method of claim 1, wherein the detecting comprises imaging the ~~biological object~~ eye with radiation having a wavelength different from the wavelength of the emitted radiation and processing the image based on color.

6. (Original) The method of claim 1, wherein the emitted radiation includes near infrared radiation.

7. (Currently Amended) The method of claim 1, wherein the emitting the radiation includes tracking the blood vessel ~~pattern~~ with the radiation if the blood vessel ~~pattern~~ is moving.

8. (Currently Amended) An apparatus for determining a characteristic of blood ~~a biological object~~, compromising:

an imaging detector positioned to receive a first type of reflected radiation from an eye ~~the biological object~~;

a radiation directing device capable of directing a second type of radiation onto a blood vessel of the eye ~~pattern on the object~~;

a radiation detection assembly positioned to receive reflected radiation of the second type from the blood vessel ~~biological object~~; and

electronics, coupled to the imaging detector, radiation directing device and radiation detection assembly, capable of

identifying ~~a pattern~~ the blood vessel ~~on the object~~ of the eye using reflected radiation data from the imaging detector,

adjusting the radiation directing device to direct the second type of radiation onto the identified ~~pattern~~ blood vessel, and

determining a characteristic of the ~~object~~ blood using reflected radiation data from the radiation detection assembly.

9. (Original) The apparatus of claim 8, wherein the characteristic includes blood glucose levels.

10. (Canceled).

11. (Canceled).

12. (Currently Amended) The apparatus of claim 8, wherein the electronics identifies the blood vessel ~~a pattern~~ by processing the image based on color.

13. (Original) The apparatus of claim 8, wherein the radiation directing device includes a digital micro-mirror.

14. (Original) The apparatus of claim 8, wherein the second type of radiation includes near infrared radiation.

15. (Original) The apparatus of claim 8, wherein the first type of radiation includes blue or green light.

16. (Currently Amended) The apparatus of claim 8, wherein the electronics is further capable of tracking the identified blood vessel ~~pattern~~ if the blood vessel ~~pattern~~ is moving.

17. (Original) The apparatus of claim 8, wherein the radiation detection assembly includes a pixilated detector.

18. (Currently Amended) A system for determining a characteristic of blood ~~a biological object~~, comprising:

a radiation directing engine capable of adjusting a radiation direction device such that emitted radiation is directed onto a blood vessel of an eye~~pattern on the object~~;

a feedback engine, communicatively coupled to the radiation directing engine, capable of determining the position of the ~~pattern~~ blood vessel; and

an analysis engine, capable of determining a characteristic of the blood ~~object~~ using radiation reflected from the blood vessel ~~pattern~~.

19. (Original) The system of claim 18, wherein the characteristic includes blood glucose levels.

20. (Canceled).

21. (Canceled).

22. (Currently Amended) The system of claim 18, further comprising a pattern selection engine, communicatively coupled to the feedback engine, capable of identifying the blood vessel of the eye ~~pattern on the object~~.

23. (Currently Amended) The system of claim 18, wherein the feedback engine is further capable tracking the blood vessel ~~pattern~~ if the blood vessel ~~pattern~~ is moving.

24. (Currently Amended) A system, comprising:

means for detecting a blood vessel of an eye ~~pattern on the biological object~~;

means for emitting radiation onto the detected blood vessel ~~pattern~~;

means for collecting at least a portion of radiation that is reflected by the blood vessel ~~pattern on the object~~; and

means for analyzing the collected radiation to determine a characteristic of blood of the blood vessel ~~the biological object~~.

25. (Currently Amended) A method, comprising:

detecting a pattern on a biological object; and

using a radiation emitter to emit ~~emitting~~ radiation of a single wavelength onto the detected pattern.

26. (Original) The method of claim 25, wherein the radiation has a wavelength used for coagulation.

27. (Original) The method of claim 25, wherein the radiation has a wavelength used for ablation.

28. (Original) The method of claim 25, wherein the radiation has a wavelength used for analysis.

29. (Currently Amended) An apparatus, compromising:

an imaging detector positioned to receive a first type of reflected radiation from a biological object;

a radiation directing device adjustable to direct a second type of radiation of a single wavelength from a radiation emitter onto a pattern on the object; and

electronics, coupled to the imaging detector and radiation directing device, capable of

identifying a pattern on the object using reflected radiation data from the imaging detector, and

adjusting the radiation directing device to direct the second type of radiation onto the identified pattern.

30. (Original) The apparatus of claim 29, wherein the second type of radiation has a wavelength used for coagulation.

31. (Original) The apparatus of claim 29, wherein the second type of radiation has a wavelength used for ablation.

32. (Original) The apparatus of claim 29, wherein the second type of radiation has a wavelength used for analysis.

33. (Currently Amended) A system, comprising:

a pattern selection engine capable of identifying a pattern on a biological object;

a feedback engine, communicatively coupled to the pattern selection engine, capable of determining the position of the pattern; and

a radiation directing engine, communicatively coupled to the feedback engine, capable of adjusting a radiation directing device such that emitted radiation of a single wavelength emitted from a radiation emitter is directed onto a pattern on a biological object.

34. (Original) The system of claim 33, wherein the radiation has a wavelength used for coagulation.

35. (Original) The system of claim 33, wherein the radiation has a wavelength used for ablation.

36. (Original) The system of claim 33, wherein the radiation has a wavelength used for analysis.

37. (Currently Amended) A system, comprising:

means for detecting a pattern on a biological object; and

means for emitting radiation of a single wavelength from a radiation emitter onto the detected pattern.

38. – 46. (Canceled).